REMOTE DATA ACCESS FOR LOCAL OPERATIONS

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ABSTRACT OF THE DISCLOSURE

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A method, system, and computer-readable medium to maintain consistent, up-to-date copies of primary data. Primary data is maintained on a primary node, and point-in-time snapshots of the primary data are maintained on a secondary or remote node. Read operations can be directed to read some or all data from the remote node. When part of the data on the primary node becomes unavailable due to corruption, device failure, or communication failure, unavailable data can be read from the secondary node. When the determination is made that an unavailable portion of the data exists, a third data storage accessible by the first host can be created. Each subsequent change to the data in the first data storage can be written only to the third data storage. If an updated portion of the data is to be read, the updated portion can be read from the third data storage.

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